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# **TRANSMITTAL FORM**

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|-------------------------------------|--------------------------------------------------|
| Application Number                  | 10/581,116 Conf. #5187                           |
| Filing Date                         | May 31, 2006                                     |
| First Named Inventor                | Antonio GIANGRASSO                               |
| Art Unit                            | N/A                                              |
| Examiner Name                       | Not Yet Assigned                                 |
| Attorney Docket Number              | HEU-005US                                        |

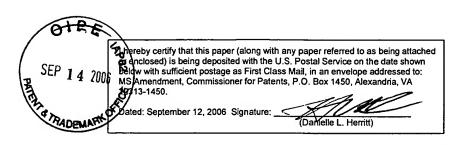
| ENCLOSURES (Check all that apply) |                                             |                                                        |    |                                                                |  |  |  |
|-----------------------------------|---------------------------------------------|--------------------------------------------------------|----|----------------------------------------------------------------|--|--|--|
| Fee Transr                        | nittal Form                                 | Drawing(s)                                             |    | After Allowance Communication to TC                            |  |  |  |
| Fee                               | Attached                                    | Licensing-related Papers                               |    | Appeal Communication to Board of Appeals and Interferences     |  |  |  |
| Amendmer                          | nt/Reply                                    | Petition                                               |    | Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |  |  |  |
| After                             | Final                                       | Petition to Convert to a Provisional Application       |    | Proprietary Information                                        |  |  |  |
| Affida                            | avits/declaration(s)                        | Power of Attorney, Revocation Change of Correspondence |    | Status Letter                                                  |  |  |  |
| Extension                         | of Time Request                             | Terminal Disclaimer                                    |    | Other Enclosure(s) (please Identify below):                    |  |  |  |
| Express At                        | pandonment Request                          | Request for Refund                                     |    | Return Receipt Postcard<br>PTO form SB/08                      |  |  |  |
| x Information                     | Disclosure Statement                        | CD, Number of CD(s)                                    | ·  | Certificate of Mailing<br>Copies of Nine (9) References        |  |  |  |
| Certified Control Document(       | opy of Priority<br>(s)                      | Landscape Table on                                     | CD |                                                                |  |  |  |
|                                   | issing Parts/<br>Application                | Remarks                                                |    | · · · · · · · · · · · · · · · · · · ·                          |  |  |  |
|                                   | y to Missing Parts under<br>FR 1.52 or 1.53 |                                                        |    |                                                                |  |  |  |
|                                   |                                             |                                                        |    |                                                                |  |  |  |
|                                   |                                             |                                                        |    |                                                                |  |  |  |
|                                   | SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT  |                                                        |    |                                                                |  |  |  |
| Firm Name                         | LAHIVE & COCKFIELD, LLP                     |                                                        |    |                                                                |  |  |  |
| Signature All                     |                                             |                                                        |    |                                                                |  |  |  |
| Printed name                      | Danielle L. Herritt                         |                                                        |    |                                                                |  |  |  |
| Date                              | September 12, 2006 Reg. No. 43,670          |                                                        |    |                                                                |  |  |  |

| I hereby certify that this paper (along with any paper referred to | as being att   | tached oi | enclosed) i | is being deposite | d with the U.S. F | ostal Service on |
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| the date shown below with sufficient postage as First Class Mai    | il, in an enve | elope add | lressed to: | MS Amendment,     | Commissioner f    | or Patents, P.O. |
| Box 1450, Alexandria, VA 22313-1450.                               | _              | _         |             |                   |                   |                  |

Dated: September 12, 2006

Signature:

(Danielle L. Herritt)



Docket No.: HEU-005US

(PATENT)

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Antonio Giangrasso

Application No.: 10/581,116 Confirmation No.: 5187

Filed: May 31, 2006 Art Unit: N/A

For: BACTERIA SUPPORT MATERIAL Examiner: Not Yet Assigned

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

### **INFORMATION DISCLOSURE STATEMENT (IDS)**

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicants submit herewith copies of foreign patents and non-patent references in accordance with 37 CFR 1.98(a)(2). These foreign patents and non-patent references (Reference Numbers B1-B6 and C1-C3) were cited in a communication from the German Patent and Trademark Office in connection with corresponding German Application No. DE 103 60 465.0. In accordance with 37 CFR 1.98(a)(2)(ii), copies of cited U.S. patents (Reference Numbers A1-A4) are not submitted herewith.

Application No.: 10/581,116 Docket No.: HEU-005US

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

.The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 12-0080, under Order No. HEU-005US.

Dated: September 12, 2006

DLH/AJW/mch

Respectfully submitted,

Danielle L. Herritt

Registration No.: 43,670

LAHIVE & COCKFIELD, LLP

28 State Street

Boston, Massachusetts 02109

(617) 227-7400

(617) 742-4214 (Fax)

Attorney/Agent For Applicant

PTO/SB/92 (09-04)

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Application No. (if known): 10/581,116 Conf. #5187

Attorney Docket No.: HEU-005US

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Danielle L. Herritt

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43,670

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Information Disclosure Statement (2 pages) PTO form SB/08 (12 References) (1 page)

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|-------|-----------------------------------|------|-------------------|------------------------|------------------------|
|       |                                   |      |                   | Application Number     | 10/581,116 Conf. #5187 |
| 11    | NFORMATION                        | I DI | SCLOSURE          | Filing Date            | May 31, 2006           |
| l s   | STATEMENT BY APPLICANT            |      |                   | First Named Inventor   | Antonio GIANGRASSO     |
|       |                                   |      |                   | Art Unit               | N/A                    |
|       | (Use as many sheets as necessary) |      | Examiner Name     | Not Yet Assigned       |                        |
| Sheet | 1                                 | of   | 1                 | Attorney Docket Number | HEU-005US              |

|               | U.S. PATENT DOCUMENTS |                                           |                  |                             |                                                 |  |  |  |
|---------------|-----------------------|-------------------------------------------|------------------|-----------------------------|-------------------------------------------------|--|--|--|
| Examiner Cite |                       | Document Number                           | Publication Date | Name of Patentee or         | Pages, Columns, Lines, Where                    |  |  |  |
| Initials*     | No.1                  | Number-Kind Code <sup>2</sup> ( if known) |                  | Applicant of Cited Document | Relevant Passages or Relevant<br>Figures Appear |  |  |  |
|               | A1*                   | US-4,664,803                              | 05-12-1987       | Fuchs et al.                |                                                 |  |  |  |
|               | A2*                   | US-5,019,311                              | 05-28-1991       | Koslow                      |                                                 |  |  |  |
|               | A3*                   | US-6,043,067                              | 03-28-2000       | Lihme et al.                |                                                 |  |  |  |
|               | A4*                   | US-6,818,579-A1                           | 11-16-2004       | Giangrasso et al.           |                                                 |  |  |  |

|                       | FOREIGN PATENT DOCUMENTS |                                                                                                            |            |                                                    |                                                                                       |                |  |  |  |
|-----------------------|--------------------------|------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------|---------------------------------------------------------------------------------------|----------------|--|--|--|
| Examiner<br>Initials* | Cite<br>No.1             | Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |            | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns,<br>Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>®</sup> |  |  |  |
|                       | B1                       | GB-1412589                                                                                                 | 11-05-1975 | Gary Aircraft Corporation                          |                                                                                       |                |  |  |  |
|                       | B2                       | DE-3032869-A1                                                                                              | 04-15-1982 | Linde AG                                           | 1                                                                                     | Abstr.         |  |  |  |
|                       | B3                       | DE-69024984                                                                                                | 03-07-1996 | Koslow Techn. Corp. et al.                         |                                                                                       | Abstr.         |  |  |  |
|                       | B4                       | DE-69122393                                                                                                | 10-31-1996 | Kem. Entec. As et al.                              |                                                                                       | Abstr.         |  |  |  |
|                       | B5                       | DE-10022798-C2                                                                                             | 11-22-2001 | Giangrasso, Antonio                                |                                                                                       | Abstr.         |  |  |  |
|                       | B6                       | EP-1160206-A1                                                                                              | 12-05-2001 | Nisshinbo Industries, Inc.                         |                                                                                       |                |  |  |  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japaneses patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.

| j                    | NON PATENT LITERATURE DOCUMENTS |                                                                                                                                                                                                                                                                 |                       |  |  |  |  |
|----------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--|--|--|--|
| Examiner<br>Initials | Cite<br>No. <sup>1</sup>        | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | <b>T</b> <sup>2</sup> |  |  |  |  |
|                      | C1                              | CA Abstract No. AN 89:94657, "Decolorization of colored waste water."                                                                                                                                                                                           |                       |  |  |  |  |
|                      | C2                              | WPIDS Abstract AN 1995-117587, "Carrier for immobilising microorganisms - is obtd. from inorganic and/or organic particles coated with hydrophilic resin."                                                                                                      |                       |  |  |  |  |
|                      | C3                              | Copy of Examination Report dated September 9, 2004 from the German Patent and Trademark Office for application no. DE 103 60 465.0                                                                                                                              |                       |  |  |  |  |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| Examiner  | Date       |  |
|-----------|------------|--|
|           |            |  |
| Signature | Considered |  |
|           |            |  |

Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.